

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R000617110002-3

GROSSMANN, V.; FIALOVA, O.

Curare inhibiting action of physostigmine. Cesk. fysiol. 1 no.2:121-126
1952.
(CIML 23:4)

1. Of the Institute of Pharmacology of Charles University, Prague.

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GROSSMANN, V.; FIALOVA, O.

Anticurare effect of physostigmine [with summary in German]. Chesk.
fiziol. 1 no.2:160-166 '52. (MLRA 6:12)

1. Institut farmakologii melitsinskogo fakul'teta karlova universiteta,
Praha.
(Physostigmine)

GROSSMANN, V.

Comparison of long-term administration of pilocarpine and 1,1-bis(4-hydroxy-3-coumarinyl)propanone to rats. I. J. K. Hals, V. Treka, E. Holoubková, Z. Ledvinkaová, V. Valpitsbacherová, V. Grossmann, M. Wenku, A. Hinslová, R. Slavík, O. Mikulec, and J. Štěpán (Karlova Univerzita, Praha, Czech.). *Czechoslovakia Lekárniček Českých 41*, 1127-13 (1952).—1,1-bis(4-hydroxy-3-coumarinyl)propanone (I) is more effective than Et-1,1-bis(4-hydroxy-3-coumarinyl)acetate (II) for suppressing prothrombin formation, and a comparison of their toxicity in rats was carried out. The dose increased for 7 weeks up to 50 mg./kg., and was held constant for another 14 weeks. The mortality was 45% with I and 40% with II. The liver of most survivors was normal. Liver fat, cholesterolemia, bilirubinemia, glycogen, thymol turbidity test, Takata-Ara reaction, and blood nitrogen protein N were normal; glycogen was slightly lower in I group than in control. Blood choline esterase activity was reduced 93% by I while II had no significant effect. Herbert Hirshwitz

GROSSMANN, V.

Analysis of the relationship between syntostigmine with certain curare derivatives. Cesk. fyziol. 7 no.1:28-29 1958.

I. Katedra farmakologie Vojenske lekarske akademie J. E. Purkyně, Hradec Kralove. Predneseno na pravidelne schuzi fysiologické spolecnosti v Praze dne 30. I. 1957.

(NEOSTIGMINE, effects,
on curare-deriv. eff. in animals (Cz))
(CURARE, rel. cpds.
eff. of neostigmine on eff. in animals (Cz))

GROSSMANN, V.

SCIENCE

Periodical CESKOSLOVENSKA FYSIOLOGIE. Vol. 7, no. 1, Feb. 1958.

GROSSMANN, V. H. Raskova and Z. Votava's Prakticka cviceni z farmakologie (Practical Exercises of Pharmacology); a book review. p. 77.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959, Uncl.

CHALOUPKA, Z.; GROSSMANN, V.

Development of changes of properties of circulating blood, plasma and thiocyanic clearance during the first 6 days after irradiation with an average lethal x-ray dose. Cesk. fysiol. 7 no.2:143-144 Mar 58.

1. Katedra farmakologie Vojenske lekarske akademie J. E. Purkyne.
(THIOCYANATES, in blood,
clearance, eff. of lethal x-ray irradiation (Cz))
(BLOOD, effect of radiations,
x-ray, lethal dose (Cz))
(ROENTGEN RAYS, effects,
on blood & thiocyanate clearance, lethal dose (Cz))

GROSSMAN, V.

Effect of radiations on dolsin-decomposing capacity of the liver tissue.
Cesk. fysiol. 7 no.2:145 Mar 58.

1. Katedra farmakologie Vojenske lekarske akademie J. E. Purkyne.
(MEPERIDINE, metabolism,
liver, eff. of x-rays on decomposition (Cz))
(ROENTGEN RAYS, effects,
on liver decomposition of meperidine (Cz))
(LIVER, effect of radiations,
x-ray on meperidine decomposition (Cz))

GROSSMANN, V.; CHALOUPKA, Z.

Metabolic changes of dolsin in irradiated rats. Cesk. fysiol. 7 no.3:
256-257 May 58.

1. Katedra farmakologie VIA J. E. Purkyne, Hradec Kralove.
(ROENTGEN RAYS, eff.
on dolsin metab (Cz))
(ANALGESIS AND ANTIPIRETICS, metab.
dolsin, eff. of x-rays (Cz))

HRADIL, F.; GROSSMANN, V.

Analysis of changes of the effect of dolsin following irradiation. Cesk.
fysiol. 7 no.3:257-258 May 58.

1. Farmakologicky ustav VIA J. E. Purkyne, Hradec Kralove.
(ANAESTHESICS AND ANTIPYRETICS, eff.
in x-irradiated animals (Cz))
(ROENTGEN RAYS, eff.
on animal reaction to dolsin (Cz))

CHALOUPKA, Z.; GROSSMANN, V.

Changes of dolsin decomposition by rat liver perfused in vitro during the development of radiation sickness. Cesk. fysiol. 7 no.5:476-478 Sept 58.

1. Katedra farmakologie VIA, Hradec Kralove.

(LIVER, metab.

dolsin, decomposition in rat liver perfused in vitro during develop. of radiation sickness (Cz))

(ANALGESICS, metab.

same)

(ROENTGEN RAYS, effects,

liver dolsin decomposition, rat liver perfused in vitro during develop. of radiation sickness (Cz))

JURKOVIC, V.; BELOBRADIK, Z.; GROSSMANN, V.

Effect of vagosympathetic block on cardiac arrhythmia induced by aconitine
in rabbits. Cesk. fysiol. 7 no.5:489-490 Sept 58.

1. II. katedra nemoci vnitrnich a katedra farmakologie VMA JEvP, Hradec
Kralove.

(ARRHYTHMIA, experimental,
aconitine-induced in rabbits, eff. of vagus block (Cz))

(ACONITUM
aconitine-induced arrhythmia in rabbits, eff. of vagus block
(Cz))

(ANESTHESIA, REGIONAL, effects,
procaine vagus block on exper. arrhythmia induced with aconi-
tine (Cz))

(NERVES, VAGUS, physiol.
eff. of procaine vagal block on exper. arrhythmia induced with
aconitine (Cz))

SERCL, M.; JAROS, O.; GROSSMANN, V.; KVETINA, J.

Critical considerations on sodium succinate therapy of multiple sclerosis. Cesk. neur. 22 no.1:11-19 Feb 59.

1. Naurologicka klinika VIA J. Ev. P., prednosta prof. Dr. Sc. M. Sercl
Farmakologicky ustanov VIA J. Ev. P., prednosta doc. Dr. V. Grossmann.

(MULTIPLE SCLEROSIS, therapy,

sodium succinate (Cz))

(SUCCINATES, ther. use,

sodium succinate in multiple sclerosis (Cz))

GROSSMANN, V.

Changes of the effect of pentrazole and phenobarbital in rats following burns. Cesk. fysiol. 8 no.3:191 Apr 59.

1. Ustav farmakologie lek. fak. KU, Hradec Kralove. Predneseno na III. fysiologickych dnech v Brne dne 15. 1. 1959.

(ANGIOTONIN, eff.

eff. of exper. burns on reactivity in rats (Cz))

(PHENOBARBITAL, eff.

same)

(BURNS, exper.

eff. on reactivity to phenobarbital & tetrazole (Cz))

KVETINA, J.; GROSSMANN, V.

Changes in binding of dolsin with the blood of rats irradiated by
roentgen rays. Cesk. fysiol. 8 no.4:320 July 59.

1. Farmakologicky ustav lek. fak. KU. Hradec Kralove.
(ANALGESICS AND ANTIPYRETICS, blood)
(RADIATION EFFECTS)

GROSSMANN, V.

Relationship between toxicity and the mode of administration of
drugs during the course of development of radiation sickness.
Cesk. fysiol. 8 no.5:448-449 S '59

1. Katedra farmakologie lekarske fakulty KU, Hradec Kralove.
(RADIATION INJURY, exper.)
(NERVOUS SYSTEM, pharmacol.)
(CENTRAL NERVOUS SYSTEM, pharmacol.)

GROSSMANN, V.;Technicka spoluprace H. Dyntarova.

Variations in the relationship of procurance and tubarine to certain drugs. Cesk. fysiolog. 9 no.1:77-78 Ja 60.

1. Katedra farmakologie lek. fak. KU, Hradec Kralove.
(CURARE pharmacol.)
(DECAMETHONIUM COMPOUNDS pharmacol.)

GROSSMANN, V.; VESELY, C.

Changes in the effect of thiopental on ECG in rabbits following
irradiation. Cesk. fysiol. 9 no.1:78-79 Ja 60.

1. Farmakologicky ustav lek. fak. KU, Fysiologicky ustav lek. fak.
KU, Hradec Kralove.

(THIOPENTAL pharmacol.)
(ELECTROCARDIOGRAPHY)
(RADIATION EFFECTS exper.)

GROSSMANN, V.

Effect of radiations on the activity of thiopental in rats and its causes. Cesk.fysiol. 9 no.3:285-286 My '60.

1. Farmakologicky ustav lekarske fakulty MU, Hradec Kralove.
(THIOPENTAL metab)
(CENTRAL NERVOUS SYSTEM metab)
(RADIATION EFFECTS exper)

JURKOVIC, Vilo; BELOBRADEK, Zdenek; GROSSMANN, Vojtech

Analyeis of the effect of procaine on experimental ventricular tachycardia. Cas.lek.cesk. 99 no.46:1437-1442 11 N '60:

I. II. katedra chorob vnitrnich lekarske fakulty MU v Hradci Kralove, prednosta doc. MUDr. Vilo Jurkovic a katedra farmakologie, prednosta doc. MUDr. Vojtech Grossmann.

(TACHYCARDIA exper)
(PROCAINE pharmacol)

VESELY, C.; SEFERNA, I.; GROSSMANN, V.

Effect of Guaiacuran on the EEG in rabbits poisoned with tetanus toxin. Activ. nerv. sup. 4 no.2:223 '62.

l. Fyziologicky a farmakologicky ustav lekarske fakulty Karlovy university v Hradci Kralove.

(MUSCLE RELAXANTS pharmacol)
(ELECTROENCEPHALOGRAPHY)
(TETANUS) (TOXINS AND ANTITOXINS)

JURKOVIC, V.; VOKROUHLICKY, L.; BELOBRADEK, Z.; GROSSMANN, V.

Contribution to the study of cardiac irritability during the course
of radiation sickness. Cas. lek. cesk. 101 no.39:1161-1166 28 S '62.

1.II interni klinika leakrske fakulty KU v Hradci Kralove, prednosta
prof. dr V. Jurkovic, Katedra farmakologie lekarske fakulty KU v
Hradci Kralove, prednosta prof. dr. V. Grossmann.
(RADIATION INJURY EXPERIMENTAL) (TACHYCARDIA PAROXYSMAL)
(HEART)

CZECHOSLOVAKIA

V. GROSSMANN, H. DYTAROVA, J. SLADK and J. KERNOVA, Department of Pharmacology, Medical Faculty of Charles University (Farmakologicky ustanov Lekarske fakulty UK) [Karlov University] Head (predosta) Prof Dr V. GROSSMANN. Reader Králove.

"Change in Effect of Epinephrine and Norepinephrine on Blood Pressure in Irradiated Animals."

Prague, Časopis Lékařů Českých, Vol 102, No 7, 15 Feb 67; pp 189-192.

Abstract (English summary modified): Change in blood pressure response to epinephrine in rats and mice receiving 600 rads radiation (IR).
Intravenous toxicity increases, blood pressure effect in a. anesthesia decreases (with epinephrine, no decrease at very high doses), no change in effect on isolated heart. Speculatively changes are of central origin; possibly also due to increased t. increased epinephrine sensitivity of heart. Seven graphs; 9 references: 6 Western, Czech, Polish, Sov. et al.

6 R& S& P/H/N/V, 6

CZECHOSLOVAKIA

G. HEDLICKA, J. BURIC, C. BUDROVSKA, V. GROSZKOVIC, E. MOLECKOVA, J. HOLUBOVIC and Z. HRUZA [Affiliations not stated]

"Progress in Physiological Science. The 22nd International Physiological Congress in Leyden."

Prague, Ceskoslovenska Fisiologie, Vol 12, No 1, Jan 1963; pp 68-75.

Abstract: This is actually a series of 7 articles authored by the above 7 authors as follows: general aspects; conditioned reflexes, spreading depression, electrical activity of the cerebral cortex; sleep and awakening, biochemistry and metabolism of brain, reticular formation; general physiology and pharmacology; cell physiology; the neuron, the synapse, ganglionic transmission, mediators, GABA; and adaptation, stress and shock. Very condensed reports of this meeting in September, 1962 in Holland, giving essentially little more than the titles and authors and nationalities or cities of origin. Some papers are discussed in a few sentences.

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CZECHOSLOVAKIA

MARTINNOVA, J.; GROSSMANN, V.; BRUNATOVA, M.; Pharmacological Institute, Medical Faculty, Charles University (Farmakologicky Ustav Lek. Fak. KU), Hradec Kralove.

"Changes in the Metabolism and the Effect of Procaine After Irradiation."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 5, Sep 66, p 413

Abstract: The distribution of procaine between the blood corpuscles and the plasma after irradiation was investigated. Procaine is present more in the corpuscles than in the plasma following irradiation; on the 3rd day the difference disappears, and on the 6th there is more procaine in the plasma. Paraaminobenzoic acid disappears from the plasma to a great extent, and is concentrated in the corpuscles following irradiation. Drugs of a cationic nature have higher levels in the plasma after irradiation because their bonding increases; in drugs of an anionic nature the bonding in the plasma after irradiation decreases.
1 Figure, 2 Western, 5 Czech references. Submitted at 14 Days of Pharmacology at Smolenice, 16 Feb 66.

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CIA-RDP86-00513R000617110002-3

GROSSMANN NOVA, MILADA

Mineralogical-geological bibliography of Czechoslovakia
for 1937. Václav Bartošek, Jan Melík, Rudolf Turez-
ník and Milada Grossmannová. Naklad Československého
Vyd. 1938, 1115 pp, cz. C. 47, 000. Michael Fleischer.

202-1-5

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CIA-RDP86-00513R000617110002-3"

GROSSOV, F.K.

Modification of a crown gear in the ESh-14/75 walker drag-line
excavator. Gor.zhur. no.2:46-48 F '61. (MIRA 14:4)

1. Glavnnyy mekhanik Sokolovsko-Sarbayskogo gorno-obogatitel'nogo
kombinata.
(Excavating machinery) (Gearing)

GROSSOV, F. K.

Planning and financing unit repairs of mine equipment. Gor.
zhur. no.10:27-30 0 '61.
(MIRA 15:2)

1. Glavnnyy mekhanik Sokolovsko-Sarbayskogo gorno-obogatitel'nogo
kombinata, g. Rudnyy.
(Mining machinery--Maintenance and repair)

GROSSOV, F. K.

Efficiency of the unit method of repairing mine haulage
equipment. Gor. zhur. no.10:49-53 0 '62. (MIRA 15:10)

1. Glavnnyy mekhanik Sokolovsko-Sarbayskogo gorno-obogatitel'nogo
kombinata.

(Mine haulage—Equipment and supplies)

GROSSOV, Fedor Kuz'mich, inzh.; GROSSOV, Leonid Fedorovich

[Practices in operating D-385A at the Sarbai open pit]
Opyt ekspluatatsii moshchnykh bul'dozerov (D-385A) na
Sarbaiskom kar'ere. Moskva, Stroizdat, 1964. 16 p.
(MIRA 18:4)

1. Moscow. Nauchno-issledovatel'skiy institut organiza-
tsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'-
stvu. 2. Starshiy prepodavatel' industrial'nogo fakul'teta
Kazakhstanskogo politekhnicheskogo instituta (for Grossov,
F.K.).

GROZOV, L.F., gornyy inzh.; GOMZ, T.A., mazg. Inzh.

Results of the testing of the BelAZ-540 dump trucks at the
Sarbay strip mine. Gor. zhur. no.740-51. Jl '65. (MIA 12:8)

1. Sokolovsko-Sarbayskly gornoobogatitel'nyy kombinat.

GROSSOV, L.F.

Increase the efficiency of using heavy-duty trucks. Gor. zhur. no.7:
18-19 Jl '62. (MIRA 15:7)

1. Nachal'nik Sarbayskogo kar'yera, Sokolovsko-Sarbayskiy kombinat.
(Kustanay Province--Mine haulage)

GROSSOV, L.F., inzh.

The BelAZ-540 dump truck. Mekh. stroi. 20 no.10:13-14 0 '63.
(MIRA 16:10)

GROSSOV, Fedor Kuz'mich, inzh.; GROSSOV, Leonid Fedorovich

[Practices in operating D-385A at the Sarbai open pit]
Opyt ekspluatatsii moshchnykh bul'dozerov (D-385A) na
Sarbaiskom kar'ere. Moskva, Stroizdat, 1964. 16 p.

(MIRA 18:4)

1. Moscow. Nauchno-issledovatel'skiy institut organiza-
tsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'-
stvu. 2. Starshiy prepodavatel' industrial'nogo fakul'teta
Kazakhstanskogo politekhnicheskogo instituta (for Grossov,
F.K.).

GROSSOV, L.P., Gornyy zhur.; No. 1, 1965, Moscow.

Results of the testing of the BelAZ-540 stamp trucks at the
Sarbay strip mine. Gorn. zhur. no.7147-51 J1 '65. (MIA 13:8)

1. Sokolovsko-Sarbayskiy gornoobogatitel'nyy kombinat.

SAVULESCU, Alice, acad.; ESANU, V.; CALIN, Neli; NEQULESCU, Florica; GROSSU, Maria; HURCHISIU, Illeana

Morphologic, anatomic, physiological, and biochemical characteristics of some species of potatoes with different degrees of resistance to *Phytophthora infestans* (Mont.) de Bary fungus attack. Studii cerc biol s. bot 17 no.1:71-84 '64.

1. Laboratory of Phytopathology and Microbiology, "Traian Savulescu" Institute of Biology. Submitted August 5, 1964.

GROSSOWA, Janina, mgr. (Łódź, ul. Narutowicza 107 m.4.)

The history of the "Geographical dictionary of the Polish Kingdom and other Saxon countries." Czasopismo geograficzne 32 no.3: 159-278 '61.

RUMANIA

GROSSU, Al. V., Dr, Univ Prof, Bucharest [affiliation not given]

"The 'Kew' Botanical Garden of London."

Bucharest, Natura. Seria Biologie, Vol 15, No 5, Sep-Oct 63,
pp 19-27.

Abstract: Based upon two visits to London, the author describes
the climate of the city and its effect on the flora of the area.
Special attention is paid to the Kew Botanical Garden, with a
description of its functions, sections and departments, and the
various museums and buildings associated with the Garden.

Includes 9 photographs.

1/1

GROSSU, A.

Systematic and zoogeographic contributions to the knowledge of gastropods from the valley of Minis Banat. p. 665. COMUNICARILE. BUCURESTI. Vol. 5, No. 4, April 1955.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, No. 2, Feb. 1956.

GROSSU, A.

Contributions to the knowledge of Gastropoda in Rumania; Hohenwarthia
orghidani n. sp. of the Ferussaciidae family. p. 1579. Academia Republicii
Populare Romane. COMUNICARILE. Bucuresti. Vol. 5, No. 11, Nov. 1955.

So. East European Accessions List Vol. 5, No. 9 September, 1956

CROSSU, A. - LUPU, D.

Limacidae of the fauna of Rumania. In French. p. 141

Bucharest. Muzeul National de Istorie Naturala "Grigore Antipa."
TRAVAUX. Bucuresti, Rumania. Vol. 1, 1957

Monthly list of East European Accessions (EEAI) LC Vol 8, No. 6, June 1959
Uncl.

GROSSU, A.

Helix Lucorum Lucorum in Rumania. p. 97.

ANALELE SERIA STINTELOR NATURII. Bucuresti, Rumania. Vol. ?, no. 20, 1958.

Sept.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, no. 9, 1959.
Uncl.

GROSSU Alexandru V.
Surname (in caps), Given Names

Country: Rumania

Academic Degrees: --

Affiliation: --

Source: Bucharest, Comunicările Academiei Republicii Populare Române,
No 4, 1961, pp 455-459.

Data: " Lehmmani Poirieri Mabille, 1883, a New Gasteropod Among
the Fauna of Rumania."

Co-author:

LUPU, Dochita

GROSSU, Aleksandr V., doktor, prof.

Appearance of new elements in the fauna of Rumania causing considerable losses to the national economy. Vest. Mosk. un. Ser. 6: Biol., pochv. 16 no. 3-10 N-D '61. (MIRA 15:1)

I. Bukharevskiy universitet, kafedra zoologii biologicheskogo fakul'teta.

(Rumania--Zoology, Economic)

GROSSU, Al.V.; BALTAC, G.

Quaternary Limnocardiidae in the deposits of the Danube Delta.
Studii cerc geol 7 no.2:249-259 '62.

1. Comunicare presentata de M.G. Filipescu, membru corespondent al Academiei R.P.R. si membru al Comitetului de redactie, "Studii si cercetari de geologie".

GROSSU, A.V.

Faunistic research in Rumania. Zool. zhur. 41 no.2:306-310
F '62. (MIRA 15:4)

1. Bukharevskiy universitet, Rumyniya.
(Rumania--Zoological research)

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GROSSU, Al.V.

New contributions to the knowledge of the mollusks in the
lower Danube. Hidrologia 4:337-359 '63.

GROSSU, Al. V., dr., prof. univ. (Bucuresti)

The Kew Botanical Garden in London. Natura Biologie 15 no.5:
19 - 27 S-0'63.

MOLNI, Ion; GROZIN, Otilia; MOLNI, Ion

Professor N. Leon, (Bog2-193). National Institute of Medicine, N.Y.
'62.

1. Faculty of Biology, Research.

LASCU, F.; GROSSU, E.; NICULESCU, M.

A comparative study on the treatment of ocular tuberculosis by
roentgentherapy & antibiotics & indications concerning these treatments.
Romanian M. Rev. 1 no.2:91-92 Apr-June 57.

(TUBERCULOSIS, OCULAR, ther.

antibiotics & x-ray)

(ANTIBIOTICS, ther. use

tuberc. of eye)

(RADIOTHERAPY, in various dis.)

same)

S. A. ISVIL'D, Ye.G.

Using the method of photoelasticity in investigating the parts
of a telescope. Izv. SSSR no.4:162-166 '61. (ISSN 1411)
(Telescopic--Testing)
(Photoelasticity)

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GROSSWALD, Emil, KUREFA, Svetozar

A theorem on gap series. Glas mat fiz Hrv 16 no.3/4:203-204
'61.

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CIA-RDP86-00513R000617110002-3"

GROSSZ, A.

Sedimentary-geologic investigation of some sterile formations of the Lias hard coal of Komlo.

P. 154, (Foldtani Kozlony) Vol. 87, no. 2, Apr./June 1957, Budapest, Hungary

SO: Monthly Index of East European Acquisitions (EEAI) Vol. 6, No. 11 November 1957

COUNTRY : HUNGARY
CATEGORY : Geochemistry. Geochimistry. Hydrochemistry
ABS. JOUR. : RZKhim., No. 1 1960, No.774
AUTHOR : Kiss, J.; Grossz, A.;
INST. : -
TITLE : Formation of Concretions and New Carbonate Facies in Permian Arenite Deposits of Mecsek Mountains
ORIG. PUB. : Foldt. kozlony, 1958, 88, No 4, 416-427
ABSTRACT : The lower part of the Permian deposits is formed by interstratified argillites, dolomites and sandstones with horizons of carbonate concretions. The chemical composition of 9 specimens of plastic rocks of interior and exterior parts of two concretions, as well as of silicified dolomite and siderite, was determined. It is considered that the predominant quantity of the particles of coll. size was formed under

CARD: 1/2

D-3

Grosu, A.

COUNTRY : Romania D
CATEGORY :
ABS. JOUR. : AZKAL, no. 20 1959, No. 71109
AUTHOR : Superczaru, G.; Mihail, C.; Grosu, A.
TITLE : Disthene Deposits of South Carpathians --
A Raw Material Source for Silicas Brick.
ORIG. PUB. : Rev. mineral., 1958, 9, No 9, 410-414
ABSTRACT : The crystalline massifs Semezin, Subeasi, and Fagarash, constitute a source of raw materials for the manufacture of Bilkas, Silumin, and aluminum, and the recovery, as a by-product, of Ga, Ge, Ti, and In. The main rock-forming minerals are disthene (15-20%), sillimanite, almandine, muscovite, biotite, tourmaline, quartz, ilmenite, plagioclase. Mineralogical characteristics and paragenetic associations of disthene, in the different deposits, are described. Chemical analyses are given, results of qualitative spectrographic analyses; Semezin -- Al, K, Na, Ca, Ti, Ga, Tl, Fe, Mn, Mg; Subeasi -- Al, K, Na, Cr, Ti, Ga, In, Fe, Zr, Mg; Fagarash -- Al, K, Na, Cr, Caed: Ti, Fe, Mn, Mg. -- I. Lipova.

GROSU, Anica

Rumanian social insurances strongly supported by the trade-union committee. Munca sindic 6 no.12;59-60 D 62.

1. Fabrica "Straduinta", Suceava.

G. ROSU, D.

Distr. LE3d

Oscillations of the potential between the electrodes of a direct-current discharge through oxygen /C. M. Miller, G. C. Clegg, and E. A. Immerseil. I. Results

Such spontaneous oscillations are observed at pressures below 1 and between 2 and 8 mm. Hg. The frequencies, potentials, and currents for such oscillations are presented as graphs, both for anodes of wire- or disk-shape. Mostly the stable oscillations have simple forms and high frequencies, and the frequency will be the smaller the higher the no. of the order of the upper harmonics. For cases of oscillations of very complicated forms, the frequencies will drop down to a few 1000 cycles. The appearance of harmonics and the change of the oscillation potential occurs all of a sudden. At the lower pressures the appearance of the 2nd-order harmonics reduces the frequency to half, the appearance of the 3rd order to $\frac{1}{3}$, of the 4th order to $\frac{1}{4}$. One observes the same phenomenon if Q is replaced by N. At higher pressures the connection between harmonics and frequency drop is not so clearcut, and this is believed to be due to a disturbance caused by the metallization of the walls of the discharge tube. Any change in frequency, oscillation form, or voltage will be accompanied by a change of the intensity of the discharge current.

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CIA-RDP86-00513R000617110002-3"

RUMANIA/Electronics - Electrical Discharger in Gases and
Gas Discharge Apparatus.

H.

Abs Jour : Ref Zhur - Fizika, No 7, 1959, 15922
Author : Mihail, C., Grosu, X., Grosu, D., Sandulouic, M.
Inst : University Al. I. Cuza, Romania
Title : Voltage Installations Between the Electrodes of a dc
Discharge in Nitrogen.
Orig Pub : An. stiint. Univ. Iasi., 1956, Sec. 1,2, No 1-2, 187-194
Abstract : Oscillations at a frequency of approximately 1 Mcs were
observed at pressures of 0.2 and 0.5 mm mercury with
anodes of diameters 1, 1.5, 2, and 12 mm. More stable
oscillations occur in the case of the first three anodes.
In the case of low pressures, 0.11 and 0.15 mm mercury,
and also in the case of high pressures, 8.5 and 13 mm
mercury, oscillations with frequency from several

Card 1/2

- 85 -

RUMANIA/Electronics- Electrical Discharger in Gasea and
Gas Discharge Apparatus.

H.

Abs Jour : Ref Zhur - Fizika, No 7, 1959, 15922

kilocycles to several cycles were observed.

Card 2/2

RUMANIA/Electronics - Electrical Discharger in Gases and
Gas Discharge Apparatus.

H.

Abs Jour : Ref Zhur - Fizika, No 7, 1959, 15923

Author : Grosu, D., Grosu, X.

Inst : University, Al. I. Cuza, Rumania

Title : Remarks Concerning Voltage Oscillations Between the
Electrodes of a dc Discharge in Oxygen and Nitrogen.

Orig Pub : An stiint. Univ. Iasi., 1956, Sec., 1,2, No 1-2, 195-198

Abstract : From an analysis of the experimental results, the authors
obtain an empirical formula, which relates the frequency
and the amplitude of the oscillations, arising during a
dc discharge, with the parameters of the discharge. It
is found that

$$\frac{\omega^2}{f} \cdot \frac{I}{se} \cdot \frac{U}{V} = C.$$

Card 1/2

RUMANIA/Electronics - Electrical Discharger In Gases and
Gas Discharge Apparatus.

H.

Abs Jour : Ref Zhur - Fizika, N° 7, 1959, 15923

where σ is the diameter of the molecules or atoms, I is the current strength, U is the voltage drop between the tube electrodes, f the oscillation frequency, s the surface area of the anode, e the electron charge, V the amplitude of the oscillation voltage, and C a number on the order of several units (which increases with increasing current).

Card 2/2

S/194/62/000/001/047/066
D201/D305

AUTHORS: Grosu, D. and Sandulovici, M.

TITLE: The dependence of voltage oscillations in the negative glow of the d.c. oxygen glow discharge on the anode diameter

PERIODICAL: Referativnyy zhurnal Avtomatika i radicelektronika,
no. 1, 1962, 64, abstract 1Zh449 ('An. științ. Univ.
Iași, 1961, Sec. I.7, no. 1, 143-146) ✓

TEXT: The result of experimental investigations into the dependence of frequency of voltage oscillations in the negative glow of a glow discharge on the anode diameter (0.3, 0.5 and 0.7 mm) at an oxygen pressure 0.1 - 0.22 mmHg. At a constant current (0.5 - 0.25 μ A) the frequency of voltage oscillations increases with decreasing diameter. The authors explain this dependence by the change of the electric field intensity inside the negative glow, due to the change in the anode voltage drop. / "Abstracter's note: Complete translation." /

Card 1/1

DR. M. I.; MR. MIKAI, A.

"Our Experiences in Discovering and Utilizing Internal Resources," p. 351,
(JUULTRIA "XIIILIA, Vol. 6, No. 10, October 1954, Bucharest, Romania)

C: Monthly List of East European Accessions (TM), 17, Vol. 4, No. 3,
March 1955, Incl.

GROSU, I.

Attempting to improve the finished product of qualified cadre workers and
highly skilled workers for the metallurgy and machine construction industry.
Metallurgy and Machine Construction, #3:51:Mar 55

BENETATO, Gr., Academician; CUPARENCU, B.; GROSU, L.

Neuro-humoral mechanism of regulation of protein metabolism.
II. Role of the adrenal glands in synthesis of proteins;
experimental study. Bul. stiint. sect. med. 8 no.1:7-21
Jan-Mar 56.

(PROTEINS, metabolism
regulation, neuro-humoral, role of adrenal glands,
in rats)

(ADRENAL GLANDS, physiology
role in neuro-humoral regulation of protein metab.,
in rats)

BENETATO, Gr., acad.; TOMUS, L.; GROSU, L.; BUBUIANU, Elena; ULIUTU, M.

Studies related to the functioning mechanisms and physiological significance of the systems of chemical transmission on the level of the superior organo-vegetative centers. Studii cerc fizial 4 no.4:449-465 '59. (EEAI 9:9)

1. Institutul de fiziologie normala si patologica Prof. Dr. D.Danielopolu" al Academiei R.P.R. si Catedra de fiziologie I.M.F. Bucuresti. 2. Redactor responsabil, Comitetul de redactie, Studii si cercetari de fiziologie (for Benetato)

(NERVOUS SYSTEM)

(PERFUSION)

(ADRENALINE)

(ACETYLCHOLINE)

(ARTERENOL)

(AMINOETHYLINDOLOL)

CUPARENCU, B.; GROSU, L.; DAMACUS, M.

The influence of certain drugs with a predominant central nervous action on protein assimilation and disassimilation. Rumanian M Rev. no.1:128 Ja-Mr '61.

1. The Institute of Physiology, Cluj.
(PROTEINS metabolism) (BARBITURATES pharmacology)
(PICROTOXIN pharmacology) (AMPHETAMINE pharmacology)
(CHLORPROMAZINE pharmacology)

CAJAL, M.; HERSCOVICI, P.; TEODORU, G.; GROSU, I.; in colaborare cu SURDAN, C.; ANAGNOSTE, B.; POPESCU-DANESCU, G.; SORODOC, G.

The role of Rickettsias and Pararickettsias in pregnancy pathology.
II. Investigations of the relation between rickettsial and pararickettsial infections in mothers and the occurrence of congenital malformations.
Stud. cercet. inframicrobiol. 13 no.6:667-673 '62.

1. Comunicare prezenta la Institutul de inframicrobiologie al
Academiei R.P.R.
(RICKETTSIAL DISEASES) (PREGNANCY COMPLICATIONS)
(ABNORMALITIES)

CUPARENCU, B.; GROSU, L.; DAMACUS, M.

The influence of certain drugs with a predominant central nervous action
on protein assimilation and disassimilation. Rumanian M Rev. no.1:128
Ja-Mr '61.

1. The Institute of Physiology, Cluj.
(PROTEINS metabolism) (BARBITURATES pharmacology)
(PICROTOXIN pharmacology) (AMPHETAMINE pharmacology)
(CHLORPROMAZINE pharmacology)

GROSU, L.; GR. M. A., Elena

kininoformative and kininolytic esterase activity of the central nervous system before and after excitation of some afferent nerves.
Fiziol. norm. pat. 11 no.3:279-285 My-Je '65.

1. Institutul de cercetari medicale al Filialei Academiei R.P.R., Cluj (director: acad. A. Moga), Sectia de fiziologie (sef de sectie: prof. I. Baciu).

MIRALCA, E., assist. prof.; MARGINEANU, O.; GROSU, M.; VODCALLO, L.;
STEIN, S.; ROSENFIELD, C.

Considerations in connexion with dyspepsia due to colon bacilli.
Rumanian M Rev. no.3:37-41 '61.

(DYSPEPSIA etiology)
(ESCHERICHIA COLI INFECTIONS case reports)

GROSU, Maria, dr.; BUTNARU, J., dr.; MACAROVICI, Rodica, chimist.

Data on the metabolism of lipids in dystrophic infants. Pediatria
(Bucur.) 14 no.3:223-229 My-Je '65.

1. Lucrare efectuata in Clinica a II-a de pediatrie, Cluj (sef
de catedra: prof. Eugenia Mihalca).

MIHALCA, E., conf.; MARGINEANU, O.; BUTNARU, J.; GROSU ROMAN, M.

Some problems of clinical treatment and pathology of children's staphylococcal infections. Microbiologia (Bucur) 6 no.1:26 Ja-F '61.

Some problems in the pathogeny and clinical treatment of children's staphylococcal infections. Ibid.:29

1. Clinica a II-a de pediatrie, Cluj.



GRIGU, S.

Electric machine for heating sheets for streetcars. p. 4. TEHNICA
NOUA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor) Bucuresti.
Vol. 2, no. 25, Nov. 1955.

So. East European Accessions List Vol. 5, No. 9 September, 1956

GROSU, S.

Transformer for testing insulating strength up to 5,000 V. p. 7.

TEHNICA NOUA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor)

Bucuresti. Vol. 2, no. 27, Dec. 1955

No. East European Accessions List Vol. 5, No. 9 September, 1956

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R000617110002-3

GRESU, St.

Problems Relative to the Calculation and Construction of Autotransformers.
Electrotehnika (Electrical Engineering), #k:130: Apr 55

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R000617110002-3"

GROU, J.

Electric machine for welding tubes. p. 5. TEHNICA NOUA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor) Bucuresti. Vol. 3, No. 41, Mar. 1956.

SOURCE: East European Accessions List (EEAL), Library of Congress, Vol. 5, No. 8, August 1956.

GROSU, S.

GROSU, S. Transformers for rural electrification. p. 356.

Vol. 4, No. 8, August 1956

ELECTROTEHNICA

TECHNOLOGY

Bucuresti

So: East European Accession, Vol. 6, No. 3, March 1957

GROSU, S.

Safety measures regarding electric welders. p. 29.

ELECTROTEHNICA. (Asociatia Stiintifica Inginerilor si Tehnicienilor din Romania si Ministerul Energiei Electrice si Inductriei Electrotehnice) Bucuresti, Rumania. Vol. 7, No. 1, Jan. 1959.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 6, June 1959.
Uncl.

GROSU, S.

The replanning of electrotechnical products based on **new techniques** as an important means for quality improvement and production-cost reduction.
p. 73

ELECTROTEHNICA. (Asociatia Stintifica a Inginerilor si Tehnicienilor din Romania si Ministerul Energiei Electrice si Industriei Electrotehnice) Bucuresti, Rumania, Vol. 7, No. 6, June 1959.

Monthly list of East European Accessions (EEAI) LC Vol. 8, No. 9, ^{Sept.} 1959.

Uncl.

3,5/30

R/004/60/000/002/001/001
A231/A126

AUTHOR: Grosu, St.. Project Engineer, (Craiova)

TITLE: Considerations on some phenomena of the atmospheric electricity

PERIODICAL: Electrotehnica, no. 2, 1960, 57-62

TEXT: The article presents a survey of the most conclusive hypotheses and theories regarding the atmospheric electricity, including a few new hypotheses of the author in connection with some phenomena, i.e. the production of over-voltages, spherical lightning as well as several possibilities of utilizing the atmospheric electricity. The principal problems of these phenomena are: 1) Which is the origin and which are the characteristics of the terrestrial electric field, 2) how are free electric charges appearing in the atmosphere, 3) how is produced the separation of the charges into groups of different polarities, 4) how do atmospheric over-voltages appear, 5) how are electric discharges produced, 6) what effects and additional phenomena appear together with the discharges. The author presents in this article a series of phenomena, theories hypotheses and proposals regarding the atmospheric discharges. Some uncertainties on these phenomena are due to the special characteristics of the phenomena of

Card 1/2

Considerations on some phenomena ...

R/004/60/000/002/001/001
A231/A126

atmospheric electricity proper. An extension of this knowledge would be very helpful for scientists and technicians of various scientific fields. Electrical engineers would be very interested in becoming acquainted with the generation method of the impulse waves. There are 4 figures and 7 references: 5 Soviet-bloc and 2 non-Soviet-bloc. The reference to the English-language publication reads as follows: N. Norinder: "Lightning Research", in W. O. Schumann und H. Prinz: "Fortschritte der Hochspannungstechnik" (Progress in High-Voltage Engineering). Akademische Verl. Gess. Leipzig. 1954, 255-303.

ASSOCIATION: Sectorul Transformatoare al I. I. S. Electroputere (Transformer Section of the Electric Power I. I. S.) in Craiova

SUBMITTED: April 28, 1959

Card 2/2

GROSU, St.,ing.

Methods and equipment for the testing of rotors and transformers
in the course of their running. Energetica Rum 8 no.4:168-172
Ap '60.

GROSU, St.

On some effects of potential-barrier fluctuations on the surface of
conductors. Studii cerc fiz 11 no.1:55-60 '60. (EEAI 10:1)
(Electron emission) (Quantum theory)
(Electric conductors)

GROSU, Stefan, ing. (Craiova); TOGUI, Dumitru, ing. (Craiova)

New designing and constructing principles in high power transformers manufactured in Rumania. Electrotehnica 9 no.5:152-156 My '61.

1. Proiectant la fabrica de transformatoare (for Grosu).
2. Seful serviciului tehnic la fabrica de transformatoare, de la uzinele Electroputere, Craiova (for Togui).

GROSU, St., ing.; STANCIU, V., ing.

Recommendations on the improvement of test standards of
transformers. Electrotehnica 10 no.6:238-240 Je '62.

GROSU, Stefan, ing., and others

Rumanian invention No.41,937: Heating method for straightening
metallic sheets. Metalurgia constr mas 15 no.6:430 Je '63.

RUMANIA/Electricity - Matter with Metallic Conductivity.

G

Abs Jour : Ref Zhur Fizika, No 9, 1959, 20640

A thor : Grosu, Teodora

Inst : -
Title : Thermoelectric Phenomena and Their Applications.

Orig Pub : Gaz. mat. si fiz., 1953, B9, No 12, 689-700

Abstract : This article is of general nature.

Card 1/1

Distr: 43d

6 KOSU X
✓ Oscillations of the potential between the electrodes of a direct-current discharge through oxygen / C. Milner, J. Gross, D. Green, and M. Sanderson / *Atomic Energy Review*, No. 1, 1956, p. 117. [NIST], No. 1-3, 241-01 (1956). Such spontaneous oscillations are observed at pressures below 1 and between 2 and 8 mm. Hg. The frequencies, potentials, and currents for such oscillations are presented as graphs, both for anodes of wire- or disk shape. Mostly the stable oscillations have simple forms and high frequencies, and the frequency will be the smaller the higher the no. of the order of the upper harmonics. For cases of oscillations of very complicated forms, the frequencies will drop down to a few 100 cycles. The appearance of harmonics and the change of the oscillation potential occurs all of a sudden. At the lower pressures the appearance of the 2nd-order harmonics reduces the frequency to half, the appearance of the 3rd order to $\frac{1}{3}$, of the 4th order to $\frac{1}{4}$. One observes the same phenomenon if O₂ is replaced by N₂. At higher pressures the connection between harmonics and frequency drop is not so clearcut, and this is believed to be due to a disturbance caused by the metallization of the walls of the discharge tube. Any change in frequency, oscillation form, or voltage will be accompanied by a change of the intensity of the discharge current. Werner Jacobson

W. Jacobson

RUMANIA/Electronics - Electrical Discharger in Gases and
Gas Discharge Apparatus.

H.

Abs Jour : Ref Zhur - Fizika, No 7, 1959, 15922
Author : Mihul, C., Grosu, X., Grosu, D., Sandulouic, M.
Inst : University Al. I. Cuza, Rumania
Title : Voltage Installations Between the Electrodes of a dc
Discharge in Nitrogen.
Orig Pub : An. stiint. Univ. Iasi., 1956, Sec. 1,2, No 1-2, 187-194

Abstract : Oscillations at a frequency of approximately 1 Mcs were
observed at pressures of 0.2 and 0.5 mm mercury with
anodes of diameters 1, 1.5, 2, and 12 mm. More stable
oscillations occur in the case of the first three anodes.
In the case of low pressures, 0.11 and 0.15 mm mercury,
and also in the case of high pressures, 8.5 and 13 mm
mercury, oscillations with frequency from several

Card 1/2

- 85 -

RUMANIA/Electronics- Electrical Discharger in Gases and
Gas Discharge Apparatus.

H.

Abs Jour : Ref Zhur - Fizika, No 7, 1959, 15922

kilocycles to several cycles were observed.

Card 2/2

S/081/63/000/001/026/061
B144/R186

AUTHORS: Grosu, X., Sandulovili, R.

TITLE: Contribution to the problem of spontaneous oscillations of the glow-discharge voltage in oxygen as a function of the length of the positive column

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 1, 1963, 92, abstract 18634 (Studii si cercetări stiint. Acad. RPR Fil. Iași Fiz. si stiinte tehn., v. 11, no. 2, 1960, 183-188 [Rum.; summaries in Russ. and French])

TEXT: Experimental study of the dependence of frequency and form of natural oscillations (NO) of the glow-discharge plasma in O₂ on O₂ pressure, amperage and the gap between the electrodes. It was found that an increase of the O₂ pressure from 0.70 to 1.65 mm Hg and of the amperage from 8 to 15 ma significantly reduced the NO frequency (from 54.2 to 31.9 kc/s). An increase of the gap between the electrodes from 9.1 to 11.2 cm with constant amperage and O₂ pressure also effected a reduction
Card 1/2

S/081/63/000/001/026/061
B144/B186

Contribution to the problem ...

in the NO frequency. The NO studied are considered by the authors to be natural oscillations of the positive discharge column, which works as a linear oscillator. Moreover, the opinion is advanced that resonance NO can be produced not only by a gas column enclosed as a whole between the electrodes, but also by different homogeneous parts of the discharge, e.g., by the positive column alone. [Abstracter's note: Complete translation.] /

Card 2/2

S/058/62/000/009/052/069
A057/A101

AUTHORS: Grosu, X., Sandulovici, R.

TITLE: On the problem of the dependence of spontaneous oscillations of a glow-discharge voltage in oxygen upon the length of the positive column

PERIODICAL: Referativnyy zhurnal, Fizika, no. 9, 1962, 50 - 51, abstract 9Zh299 ("Studii și cercetări științ. Acad. RPR Fil. Iași. Fiz. și științe tehn.", 1960, v. 11, no. 2, 183 - 188, Rumanian; summaries in Russian and French)

TEXT: An inverse dependence of the frequency of voltage oscillations upon the length of the column takes place under conditions of a glow-discharge with anomalous potential drop at a position of the anode in the positive column. These oscillations can be considered as natural oscillations of the positive column, being a linear oscillator. It follows from this that oscillations with a certain natural frequency can be present not only in the discharge column as a whole, but also in single separate homogeneous regions of the column (region of

Card 1/2

On the problem of the...

S/058/62/000/009/052/069
A057/A101

the negative glow, positive column), corresponding to the position of the anode.
[Abstracter's note: Complete translation]

Card 2/2

GROSU, X.; SANDULOVICIU, R.

Contributions to the study of oscillations in the positive column
of luminescent discharge in oxygen. Studii fiz tehn Iasi 14 no.1:
37-44 '63.

TEPLYAKOV, P.A. [Teplyakov, P.O.]; GROSUL, V.P. [Hrosul, V.P.]

Phosphorescence spectra of benzoic and sulfobenzoic acids in
nonane. Ukr.fiz.zhur. 6 no.6:816-819 № 6 '61. (MIRA 16:5)

1. Odesskoye vyssheye inzhenernoye morskoye uchilishche.
(Benzoic acid—Spectra) (Nonane)

L 18255-63

EWP(j)/EPP(c)/EWP(q)/EWT(m)/BDS AFFTC/ASD/ESD-3 Pg-4/

ACCESSION NR: AP3002123 Pr-4 RM/WW/JD

S/0185/63/008/006/0684/0689

74

73

AUTHOR: Teplyakov, P. O., Grosul V. P.

TITLE: Phosphorescence spectra of phenanthrene in heptane and in magnesium oxide

SOURCE: Ukrains'kyy fizichnyy zhurnal, v. 8, no. 6, 1963, 684-689

77 77

TOPIC TAGS: phosphorescence spectra, phosphorescence, phenanthrene phosphorescence, heptane, magnesium oxide, organic phosphor, metastable molecular level, Raman effect vibrational level, temperature effect.

ABSTRACT: Studies of the phosphorescence of phenanthrene in heptane at 77K and in magnesium oxide at 77 and 290K are reported. Spectra were taken with an ISP-51 spectrograph and recorded with an MF-4 microphotometer.^b At low temperatures the spectrum was of a quasi-linear character. Two metastable levels were established for phenanthrene phosphorescence in heptane; their energies were determined, and for each of these pairs of levels a vibration structure was determined in accordance with the Raman effect. The main vibration of 830 cm⁻¹ is characteristic of the passage of phenanthrene from the higher to the normal metastable level. The most characteristic vibration for the phenanthrene molecule for the transition

Card 1/2

L 18255-63

ACCESSION NR: AP3002123

from the lower to normal level is at 406 cm^{-1} . Comparing the phenanthrene phosphorescence spectra in magnesium oxide at low and room temperatures, it is found that, at higher temperatures, the maximum spectral bands lie in the lower frequency region. Orig. art. has: 2 figures and 2 tables.

ASSOCIATION: Vy*shche Inzhenerne Mors'ke Uch*ly*shche, Odessa
(High Engineering Maritime School)

SUBMITTED: 12 Nov 62 DATE ACQ: 12 Jul 63 ENCL: 00

SUB CODE: PH NO REF SOV: 010 OTHER: 001

Card 2/2

25-6-5/46

SUBJECT: USSR/Activities of the Moldavian Academy of Sciences

AUTHOR: Grosul, Ya.S., Chairman of the Presidium of the Moldavian Section of the USSR Academy of Sciences, Doctor of Historical Sciences, Professor

TITLE: The Scientific Center of Moldavia (Nauchnyy tsentr Moldavii)

PERIODICAL: Nauka i Zhizn' - June 1957, # 6, p 13 (USSR)

ABSTRACT: The Republic of Moldaviya is known for its highly developed agriculture. The Moldavian section of the USSR Academy of Sciences is eager to help in the proper arrangement of agricultural crops. The Institute of Soil Science has prepared detailed soil maps of the entire Moldavian Republic. The Chemical Institute has taken over the practical supervision of all kolkhoz agro-chemical laboratories. Hydro-biologists and ichthyologists have investigated the biological system of the Dnestr river and have made suggestions as to its utilization for the development of fish industries in connection with the planned reservoirs.

Card 1/2

; TITLE: The Scientific Center of Moldavia (Nauchnyy tsentr Moldavii) 25-5-5/46
ASSOCIATION:
PRESENTED BY:
SUBMITTED:
AVAILABLE: At the Library of Congress
Card 2/2